

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015077.D
 Acq On : 14 Aug 2023 14:24
 Operator : SY/MD
 Sample : VY0814SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0814SBS01

Quant Time: Aug 14 15:41:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/15/2023
 Supervised By :Semsettin Yesilyurt 08/15/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	223497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	352726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	314050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	136660	50.938	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.880%			
35) Dibromofluoromethane	7.710	113	121203	53.412	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.820%			
50) Toluene-d8	10.173	98	449444	53.206	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.420%			
62) 4-Bromofluorobenzene	12.477	95	161035	52.193	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	24170	22.486	ug/l	95
3) Chloromethane	2.107	50	28257	18.787	ug/l	99
4) Vinyl Chloride	2.241	62	35802	20.131	ug/l	99
5) Bromomethane	2.619	94	27050	19.610	ug/l	98
6) Chloroethane	2.778	64	25318	19.608	ug/l	95
7) Trichlorofluoromethane	3.107	101	61452	20.507	ug/l	97
8) Diethyl Ether	3.528	74	22466	19.116	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	38209	20.516	ug/l	97
10) Methyl Iodide	4.076	142	33310	18.214	ug/l	97
11) Tert butyl alcohol	4.942	59	75462	165.358	ug/l #	93
12) 1,1-Dichloroethene	3.863	96	31147	20.028	ug/l	89
13) Acrolein	3.723	56	28832	147.419	ug/l	99
14) Allyl chloride	4.472	41	53991	19.581	ug/l	98
15) Acrylonitrile	5.149	53	75527	94.829	ug/l	99
16) Acetone	3.936	43	77589	88.526	ug/l	96
17) Carbon Disulfide	4.180	76	50949	18.615	ug/l	99
18) Methyl Acetate	4.466	43	59809	18.621	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	125501	18.979	ug/l	100
20) Methylene Chloride	4.710	84	49015	20.802	ug/l	91
21) trans-1,2-Dichloroethene	5.204	96	34064	19.418	ug/l	93
22) Diisopropyl ether	6.112	45	130346	18.945	ug/l	95
23) Vinyl Acetate	6.051	43	384082	93.557	ug/l	96
24) 1,1-Dichloroethane	6.009	63	72514	19.468	ug/l	99
25) 2-Butanone	6.978	43	114520	92.283	ug/l	95
26) 2,2-Dichloropropane	6.978	77	67864	18.899	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	45833	19.127	ug/l	97
28) Bromochloromethane	7.326	49	33561	19.611	ug/l	91
29) Tetrahydrofuran	7.344	42	68233	91.955	ug/l	93
30) Chloroform	7.502	83	80259	19.221	ug/l	98
31) Cyclohexane	7.777	56	51649	20.022	ug/l #	86
32) 1,1,1-Trichloroethane	7.697	97	70197	19.756	ug/l	100
36) 1,1-Dichloropropene	7.911	75	51152	20.375	ug/l	99
37) Ethyl Acetate	7.070	43	44467	19.003	ug/l #	94
38) Carbon Tetrachloride	7.893	117	60311	20.299	ug/l	96
39) Methylcyclohexane	9.179	83	58096	20.643	ug/l	94
40) Benzene	8.155	78	152190	20.051	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	22304m	18.484	ug/l	
42) 1,2-Dichloroethane	8.234	62	55482	20.128	ug/l	96
43) Isopropyl Acetate	8.271	43	82416	19.340	ug/l	98
44) Trichloroethene	8.935	130	44110	20.172	ug/l	99
45) 1,2-Dichloropropane	9.209	63	42627	19.917	ug/l	95
46) Dibromomethane	9.301	93	26847	19.888	ug/l	97
47) Bromodichloromethane	9.490	83	63990	19.865	ug/l	99
48) Methyl methacrylate	9.289	41	35847	19.665	ug/l	95
49) 1,4-Dioxane	9.295	88	10358	383.729	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	237130	96.015	ug/l	95
52) Toluene	10.240	92	99301	19.850	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	65371	19.311	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	70869	19.878	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	40527	19.745	ug/l	92
56) Ethyl methacrylate	10.508	69	58810	19.578	ug/l	92
57) 1,3-Dichloropropane	10.788	76	66277	19.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	141143	100.967	ug/l	94
59) 2-Hexanone	10.831	43	174828	95.646	ug/l	93
60) Dibromochloromethane	10.977	129	48151	19.667	ug/l	98
61) 1,2-Dibromoethane	11.087	107	38709	19.852	ug/l	97
64) Tetrachloroethene	10.715	164	46732	21.359	ug/l	97
65) Chlorobenzene	11.514	112	117681	20.566	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	47230	20.342	ug/l	99
67) Ethyl Benzene	11.587	91	203062	20.254	ug/l	98
68) m/p-Xylenes	11.697	106	156784	41.175	ug/l	94
69) o-Xylene	12.026	106	77612	20.461	ug/l	96
70) Styrene	12.038	104	131963	20.101	ug/l	97
71) Bromoform	12.203	173	32401	19.251	ug/l #	99
73) Isopropylbenzene	12.325	105	209847	20.144	ug/l	100
74) N-amyl acetate	12.142	43	72530	19.284	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	52399	19.313	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	37325m	18.964	ug/l	
77) Bromobenzene	12.605	156	50755	19.988	ug/l	99
78) n-propylbenzene	12.666	91	251133	20.301	ug/l	99
79) 2-Chlorotoluene	12.751	91	144191	20.205	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	175604	20.222	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	16678	18.612	ug/l	100
82) 4-Chlorotoluene	12.849	91	149621	20.294	ug/l	100
83) tert-Butylbenzene	13.069	119	164771	20.745	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	174153	20.070	ug/l	99
85) sec-Butylbenzene	13.251	105	240432	20.660	ug/l	100
86) p-Isopropyltoluene	13.367	119	199736	20.701	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	101264	20.106	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	102627	20.316	ug/l	98
89) n-Butylbenzene	13.690	91	188375	20.706	ug/l	97
90) Hexachloroethane	13.959	117	37678	19.684	ug/l	92
91) 1,2-Dichlorobenzene	13.733	146	94572	20.100	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	10361	19.713	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	61277	20.286	ug/l	98
94) Hexachlorobutadiene	15.105	225	34752	21.151	ug/l	99
95) Naphthalene	15.233	128	148622	19.752	ug/l	98
96) 1,2,3-Trichlorobenzene	15.416	180	54304	19.907	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

